



## TEK Helical Piles Installs (40) Helical Piles at Hilcorp's Larmon Compressor Station in Mercer, PA

Fall, 2016



**TEK Helical Piles**  
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| <b>Project Name &amp; Location:</b>          | Hilcorp Larmon Compressor Station Sound Wall - Mercer, PA   |
| <b>Project Date:</b>                         | Fall, 2016  |
| <b>Project Type:</b>                         | Helical Pile Supports for Sound Wall  |
| <b>Helical Pile Installation Contractor:</b> | <b>TEK Helical Piles</b> - Lawrence, PA   |
| <b>Engineering Co. / Wall Supply-Install</b> | <b>CSD Engineering.</b> - Pittsburgh, PA (Piles); <b>Noise Solutions, Inc.</b> - Sharon, PA (Wall)  |
| <b>Energy Company:</b>                       | <b>Hilcorp</b> - New Castle, PA   |
| <b>Helical Piles Specifications:</b>         | (40) 3" dia. .25" Wall Hollow Square Tube; 8",10" Helix Bearing Plates with 3" dia .25" Wall Extensions; Galvanized. All Piles Installed to 6000 ft. lbs. Minimum Torque. |
| <b>Soils &amp; Embedment Depth:</b>          | Pad Consisted of Compacted Clay Fill with an 18" Layer of Cementitious Soil Stabilizer; Installation Depths ranged from 12-17 Feet  |
| <b>Project Timeline:</b>                     | (6) Days  |
| <b>Helical Pile Manufacturer:</b>            | Empire Piers - Winfield, MO   |

### Project Description

Noise Solutions contracted TEK to design/supply/ install (40) helical pile foundations to support their sound wall that enclosed Hilcorp's existing compressors - (2) battered piles per column location. TEK also supplied and installed a W8x31 connection beam with base plate at each column location. All piles were pre-drilled due to the layer of cementitious soil stabilizer.

